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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/814,796	04/01/2004	Seong Wook Jeong	1594.1435	4966

21171 7590 02/22/2006

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EXAMINER
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TANNER, HARRY B

ART UNIT	PAPER NUMBER
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3744

DATE MAILED: 02/22/2006

Please find below and/or attached an Office communication concerning this application or proceeding.



The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 11-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hanson et al (5,201,185) in view of Denvir. Hanson discloses the invention substantially as claimed. Hanson discloses a defrost method and system in which a first defrost mode based upon heat exchanger temperature is executed if the heat exchanger temperature sensor is in a normal state (see 382 and 398 of Figure 7) and executing a second defrost mode in which the defrosting time is limited to a predetermined time (see 382 and 394 of Figure 7) when the heat exchanger temperature sensor is in a failure state. Hanson uses a hot gas defrosting means to defrost the heat exchanger. Denvir teaches the use of a defrost heater 18 to defrost a heat exchanger (see col. 2, lines 52-65). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the system of Hanson such that it included the use of a defrost heater to defrost the heat exchanger in view of the teachings of Denvir.

Claim 13 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 4-5, 7-10 and 14-15 are allowed.

Applicant's arguments filed on 11/30/05 have been fully considered but they are not persuasive. For example, applicant's remarks regarding claims 11 and 12 state that neither "Hanson nor Denvir discuss a defrosting mode that is executed when the heat exchanger temperature sensor is in the failure state and the temperature of the storage compartment in accordance with a detection value of the heat exchanger". It is noted that claims 11 and 12 do not recited any limitations regarding "the temperature of the storage compartment".

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

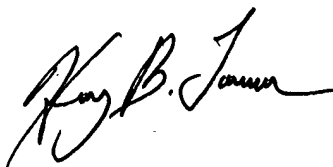
A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Harry B. Tanner whose telephone number is (571) 272-4813. The examiner can normally be reached 8:30 am to 5:00 pm Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl Tyler, can be reached on (571) 272-4834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://portal.uspto.gov/external/portal/pair>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read "Harry B. Tanner", with a stylized, cursive script.

Harry B. Tanner  
Primary Examiner  
Art Unit 3744